



**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

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Technology Center 2600

Applicant: **Shuo-Yen Robert Li**

Case: 17

Serial No. **09/882,005**

Filed: **June 15, 2001**

Group Art Unit:

Examiner:

Title of Invention: **GENERAL SELF-ROUTING CONTROL MECHANISM  
OVER BIT-PERMUTING SWITCHING NETWORKS**

**THE COMMISSIONER OF PATENTS AND TRADEMARKS  
WASHINGTON, D.C. 20231**

**SIR:**

Enclosed is a Preliminary Amendment in the above-identified application.

An additional fee is required based on the calculation below for a **small entity**:

**CLAIMS AS AMENDED**

	CLAIMS REMAINING AFTER AMENDMENT	CLAIMS PREVIOUSLY PAID FOR	EXTRA	RATE	ADDITIONAL FEE
Total Claims	26	20	6	\$9.00	\$ 54.00
Indep. Claims	4	3	1	\$40.00	\$ 40.00

Multiple Claims First Presented with this Amendment = 0	\$ 0.00
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**Total: \$94.00**

Also enclosed herewith for filing in connection with the enclosed application are:

**XX** Return Postcard  
**XX** Credit Card Authorization in the Amount of **\$94.00**

Respectfully submitted,

*John T. Peoples*

Date: 9-8-01

John T. Peoples (Reg. No. 28,250)  
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(908) 580-9816



Certificate of Mailing Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited by me on  
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9-8-01  
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John T. Peoples  
John T. Peoples



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**SIR:**

**PRELIMINARY AMENDMENT**

Enclosed is a Preliminary Amendment in the above-identified application.  
Please amend the application as follows.

**In the Specification:**

Please replace all of pages 8 and 9, namely, the "Summary of the Invention", with  
the following:

**--SUMMARY OF THE INVENTION**

The shortcomings of the prior art, as well as other limitations and  
deficiencies, are obviated in accordance with the present invention by applying algebraic  
principles to the physical realization of a large switching fabric based upon contemporary  
technologies.

In accordance with a broad method aspect of the present invention, a  
method for self-routing a packet to a given destination address through a bit-permuting  
network, the network being characterized by a guide, includes: (a) generating a routing

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01 FC:203  
02 FC:202

54.00 OP  
40.00 OP